

Kim 113499

IN THE CLAIMS:

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16. (Previously Amended) The method according to claim 36, wherein the step of receiving is performed on signals received by an antenna, or a satellite dish.

17. (Previously Amended) The method according to claim 36, wherein said local area network is wireless.

18. (Previously Deleted)

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20. (Currently Amended) A method of integrating fixed wireless broadband access and a wireless local area radio network, comprising the steps of:

determining a signal strength and a channel interference of a first signal channel source derived from said fixed wireless broadband access and broadcast by said wireless local area radio network of at least one broadband radio frequency signal;

identifying a second signal channel source of a wireless source for the at least one broadband radio frequency signal;

determining a signal strength and a channel interference of the second signal channel source;

determining whether the second signal channel source is better than the first signal channel source; and

effecting crossover if it is determined that the second signal channel source is better.

21. (Original) The method according to claim 20, further comprising the step of: interrogating an electronic device to pass information relating to the at least one broadband radio frequency signal.

22. (Original) The method according to claim 20, wherein the determination of whether the second signal channel source is better than the first signal channel source is accomplished by a comparison of the signal strength and channel interference of each of

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the first and the second signal channel sources.

23. (Previously Amended) The system according to claim 24, further comprising a cable modem connected to a cable and having a wireless local area radio that operates in accordance with a schema that is the same as that in accordance with which the wireless local area radio of the integrator operates.

24. (Previously Added) A system comprising:  
an integrator including

a broadband interface unit coupled to a fixed wireless broadband access means, for interacting, via a broadband wireless channel, with a site that is remote from a building that houses said fixed wireless broadband access means,

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a local area interface unit for interacting with a wireless local area network within said building, and

a modulator/demodulator interposed between said broadband interface unit and said local area interface unit; and

a user device adapted to communicate with said site via said local area network and said integrator, or via other than said local area network.

25. (Previously Added) The system according to claim 24 where a determination is made as to whether said user device ought to be conditioned to communicate over said other than said local area network, or via said local area network and said integrator, based on transmission quality at said user device.

26. (Previously Added) The system according to claim 25, where said transmission quality is determined based on signal strength, or signal interference level, or both.

27. (Previously Added) The system according to claim 25, where said user device periodically makes said determination.

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28. (Previously Added) The system according to claim 27, where said user device makes said determination in response to a signal from said integrator.

29. (Previously Added) The system according to claim 27, where said device provides to said integrator results of said determination.

30. (Previously Added) The system according to claim 29, where said user device provides to said integrator results of said determination in response to an interrogation signal issued by said integrator.

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31. (Previously Added) The system according to claim 27 where said integrator participates in decision whether said user device communicates to said local area network and said integrator, or via said other than said local area network

32. (Previously Added) The system according to claim 25, where said user device makes said determination or in response to a signal applied to said user device.

33. (Previously Added) The system according to claim 29 where said user device provides to said integrator results of said determination each time said user device performs said determination.

34. (Previously Added) The system according to claim 24 where said device is conditioned to communicate with said site directly via said wireless broadband channel when it is conditioned to communicate over said other than said local area network.

35. (Previously Added) The system according to claim 27 where said user device decides whether said user device communicates to said wireless broadband channel via the integrator.

36. (Previously Added) A method of integrating fixed wireless broadband

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access and a wireless local area radio network, comprising the steps of:

receiving a fixed wireless broadband signal from a source outside a building;

demodulating the fixed wireless broadband signal, processing the demodulated signal to obtain a user signal, and re-modulating the user signal; and

transmitting the user signal to an electronic device via a local area network within said building when said electronic device is conditioned to receive signals via said local area network, and refrains from transmitting said user signal to said electronic device when said electronic device is conditioned to receive signals via other than said local area network.

37. (Previously Added) The method according to claim 36, further comprising a step of determining whether to condition said electronic device to receive signals via said local area network, or via said other than said local area network.

38. (Previously Added) The method according to claim 37, wherein said electronic device, when conditioned to receive signals via other than said local area network, is conditioned to receive signals from said source directly.